

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017701.D
 Acq On : 31 Jul 2020 15:07
 Operator : JC/SP
 Sample : L3526-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-EB-20200729

Quant Time: Aug 01 02:45:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	456150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	779249	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	751661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	404942	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	325112	55.49	ug/l	0.00
Spiked Amount			Recovery	=	110.98%	
35) Dibromofluoromethane	5.47	113	268032	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	8.70	98	948514	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	11.12	95	375844	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

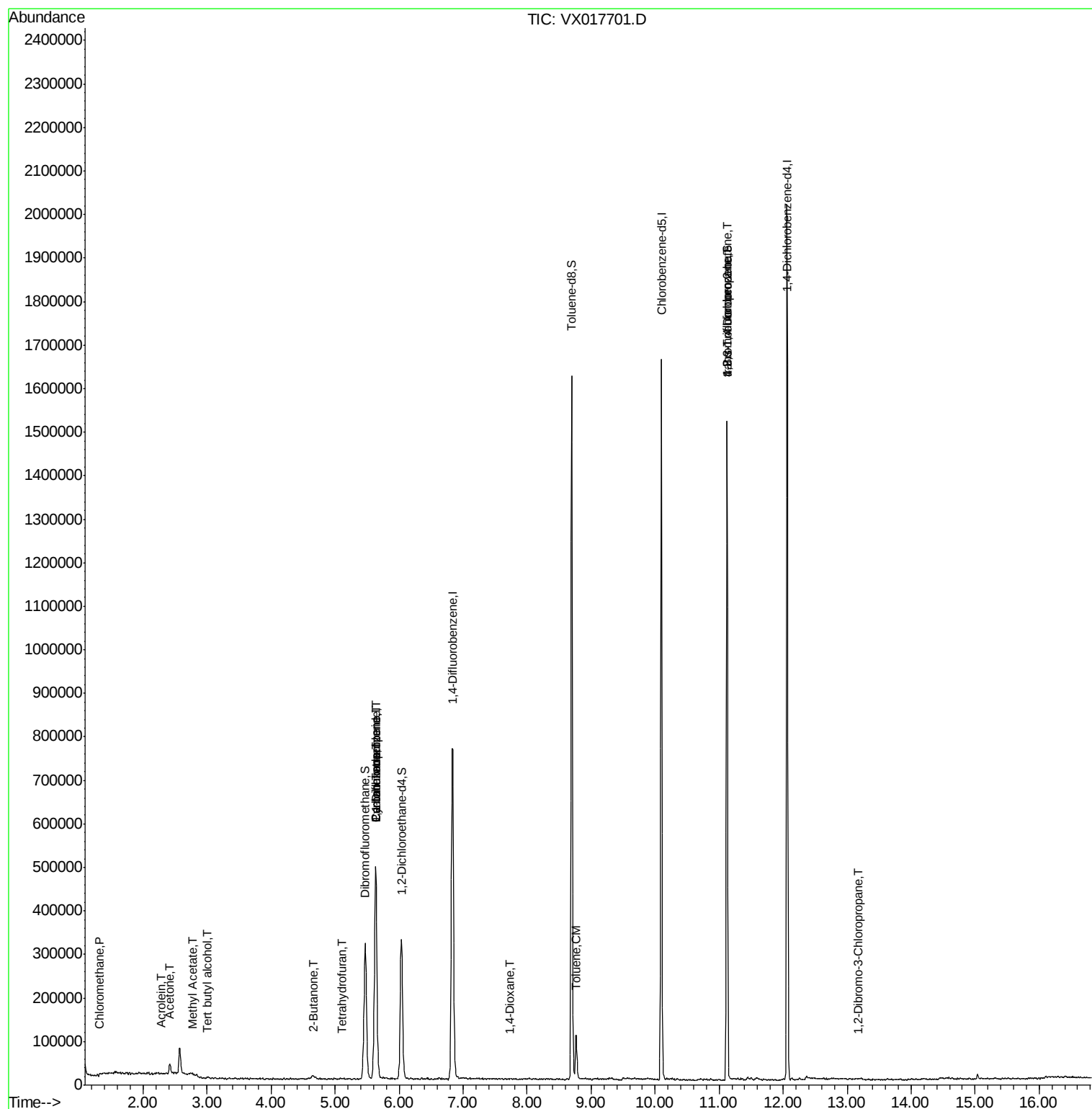
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	42	Below Cal	#	42
3) Chloromethane	1.31	50	1742	0.674	ug/l #	47
5) Bromomethane	1.64	94	813	Below Cal	#	3
6) Chloroethane	1.69	64	510	Below Cal	#	44
8) Diethyl Ether	2.12	74	305	Below Cal		98
11) Tert butyl alcohol	3.00	59	1718	1.391	ug/l #	72
13) Acrolein	2.28	56	627	4.803	ug/l #	54
16) Acetone	2.42	43	26834	10.405	ug/l #	88
18) Methyl Acetate	2.76	43	2781	0.458	ug/l #	62
20) Methylene Chloride	2.84	84	2772	Below Cal	#	69
25) 2-Butanone	4.65	43	1104	0.301	ug/l #	85
29) Tetrahydrofuran	5.11	42	1946	0.858	ug/l #	88
31) Cyclohexane	5.64	56	10429	1.443	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	34304	4.590	ug/l #	51
38) Carbon Tetrachloride	5.64	117	47081	5.188	ug/l #	16
49) 1,4-Dioxane	7.72	88	142	1.107	ug/l #	22
52) Toluene	8.76	92	38133	2.775	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	195133	23.426	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	195133	59.028	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	13.18	75	113	2.620	ug/l	84

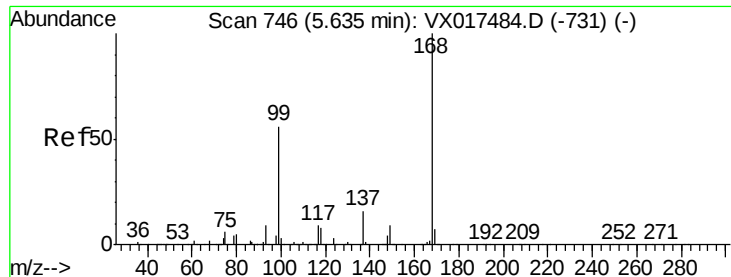
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073120\
Data File : VX017701.D
Acq On : 31 Jul 2020 15:07
Operator : JC/SP
Sample : L3526-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

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Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

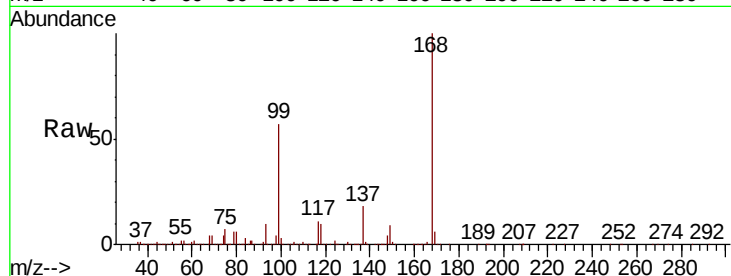
BP-VPB179-EB-20200729

Tot Ion:168 Resp: 456150

Ion Ratio Lower Upper

168 100

99 56.4 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

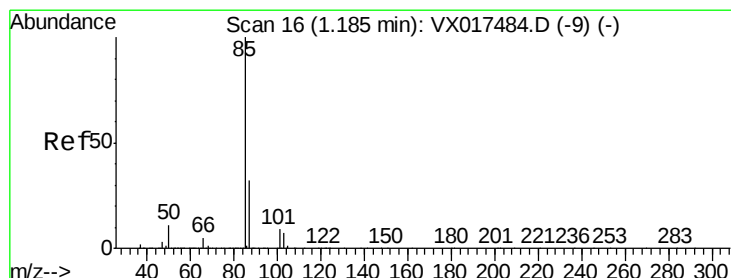
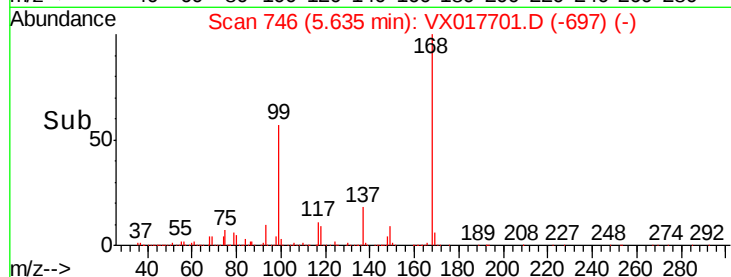
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017701.D

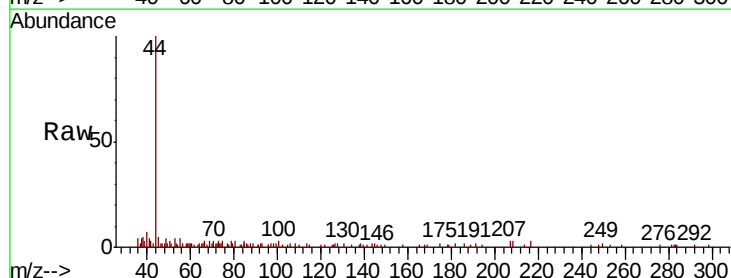
Acq: 31 Jul 2020 15:07

Tgt Ion: 85 Resp: 42

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

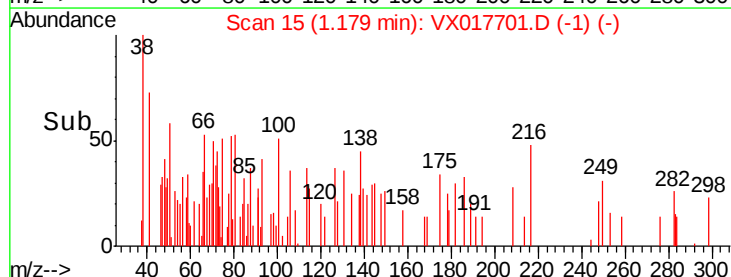
150

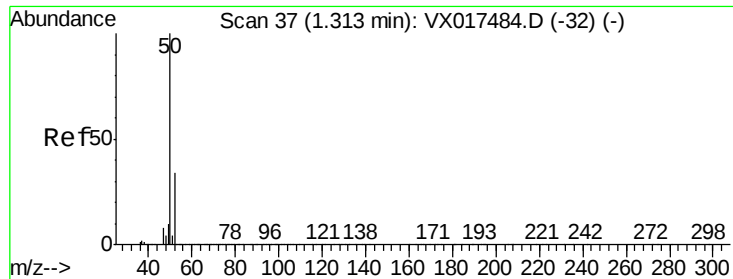
100

50

0

Time-->





#3

Chloromethane

Concen: 0.674 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

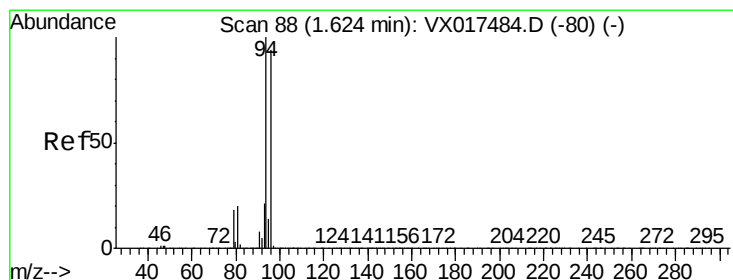
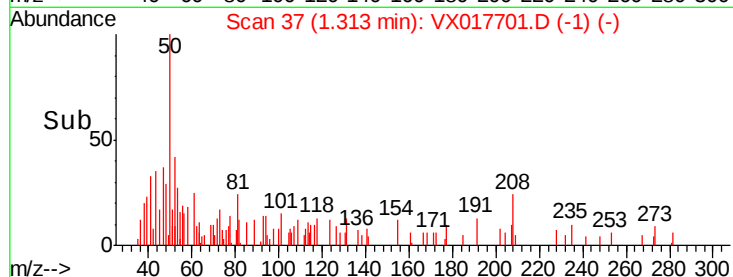
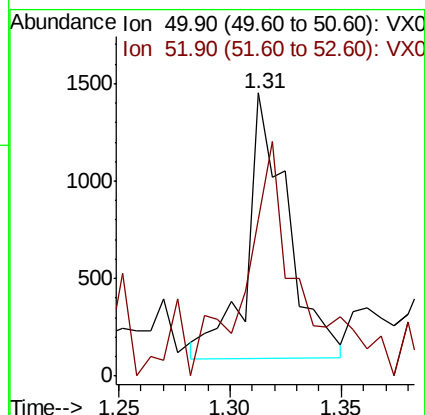
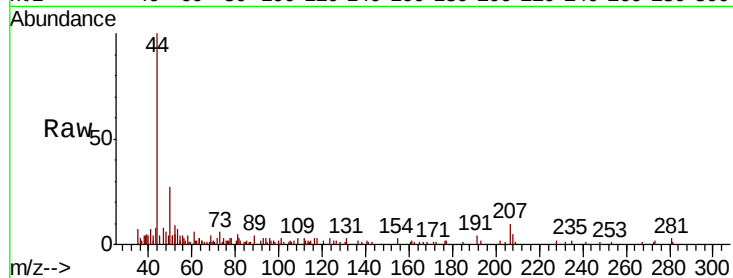
BP-VPB179-EB-20200729

Tot Ion: 50 Resp: 1742

Ion Ratio Lower Upper

50 100

52 62.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017701.D

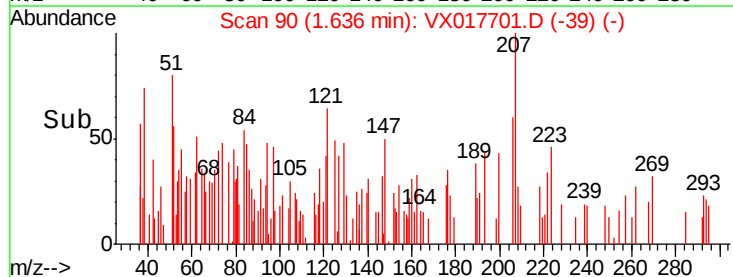
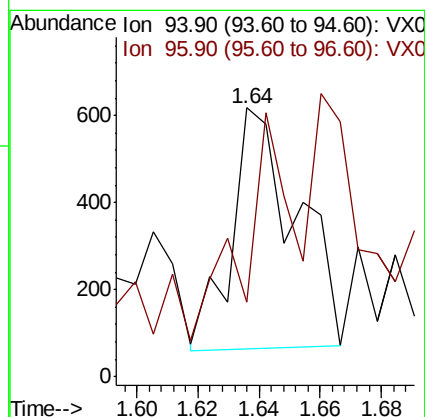
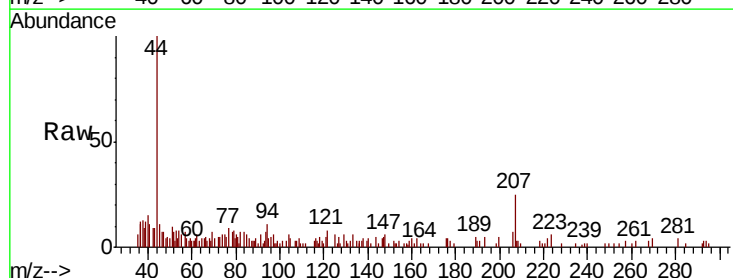
Acq: 31 Jul 2020 15:07

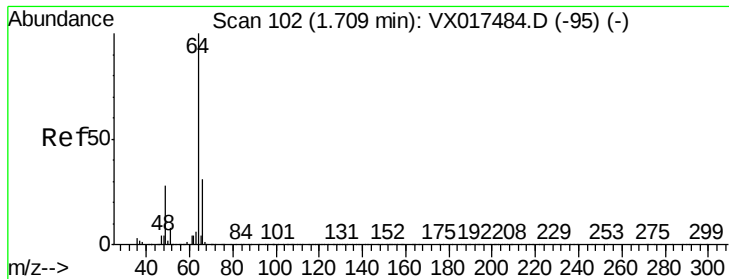
Tgt Ion: 94 Resp: 813

Ion Ratio Lower Upper

94 100

96 0.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

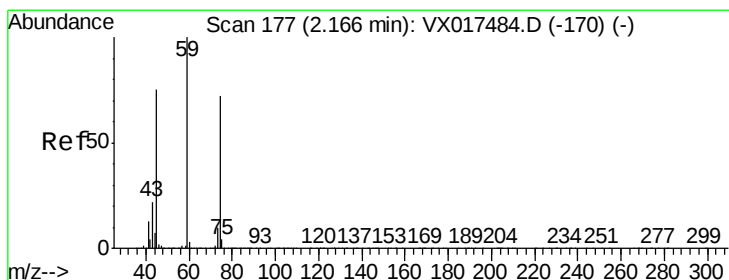
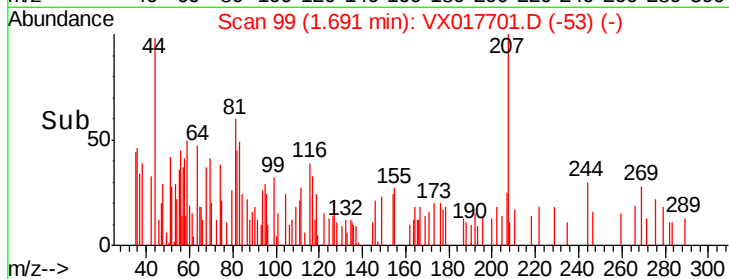
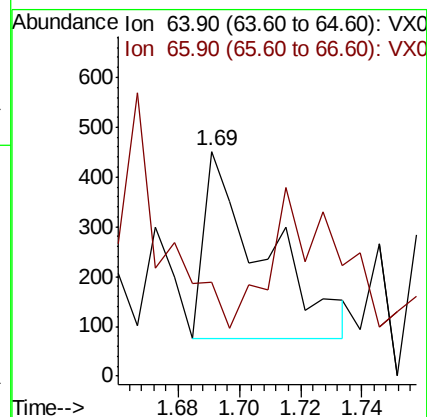
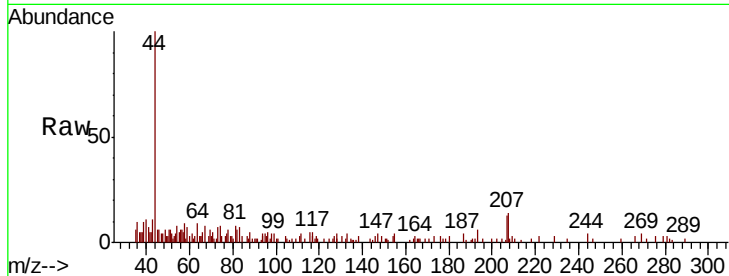
BP-VPB179-EB-20200729

Tot Ion: 64 Resp: 510

Ion Ratio Lower Upper

64 100

66 0.3 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.12 min Scan# 169

Delta R.T. -0.05 min

Lab File: VX017701.D

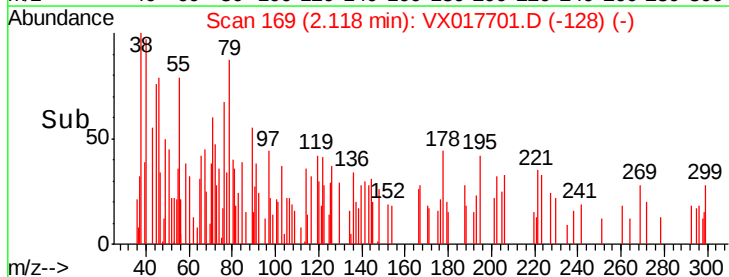
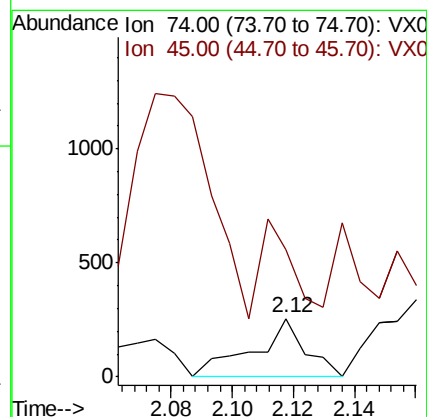
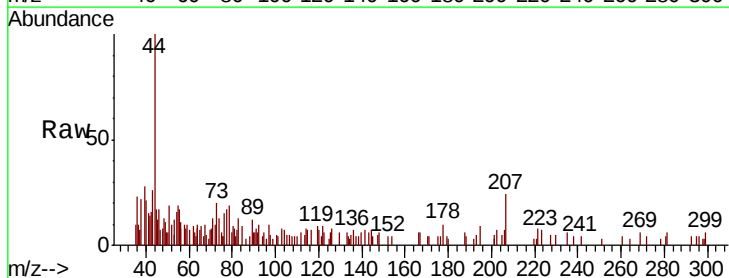
Acq: 31 Jul 2020 15:07

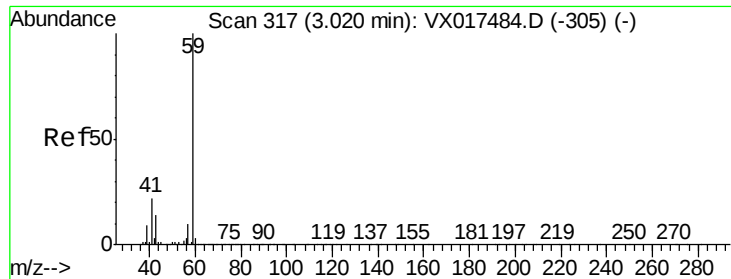
Tgt Ion: 74 Resp: 305

Ion Ratio Lower Upper

74 100

45 103.9 50.8 152.5

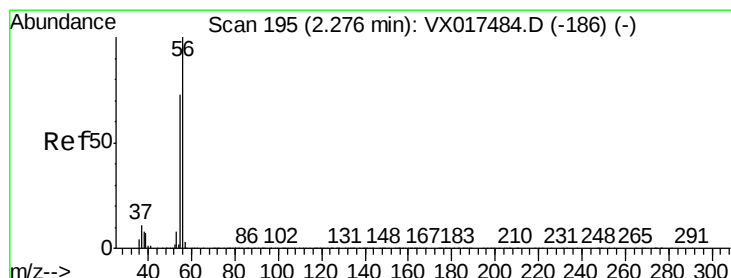
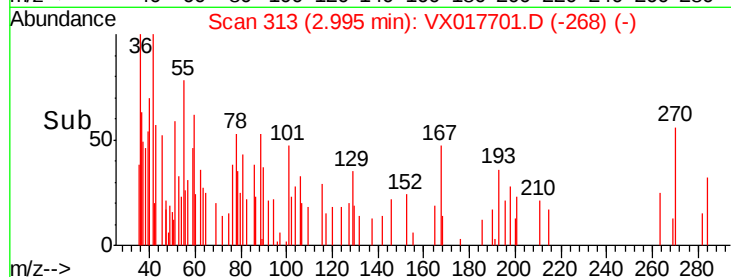
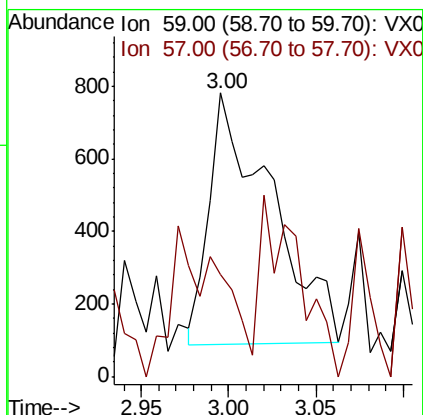
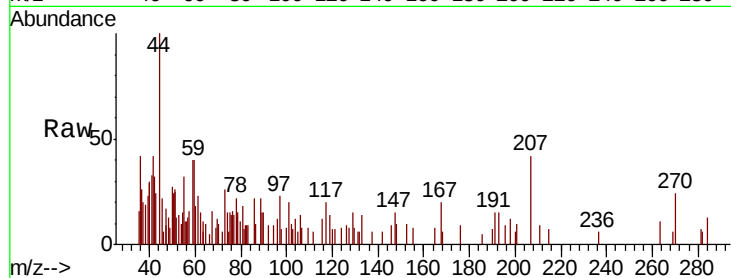




#11
Tert butyl alcohol
Concen: 1.391 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

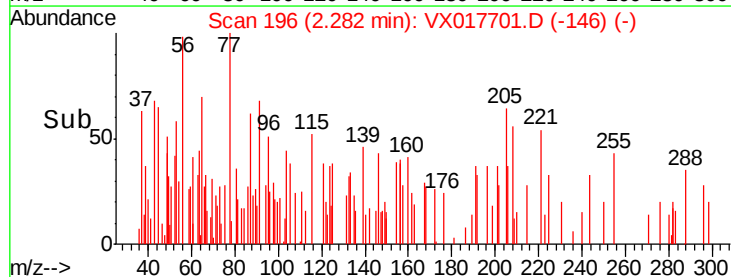
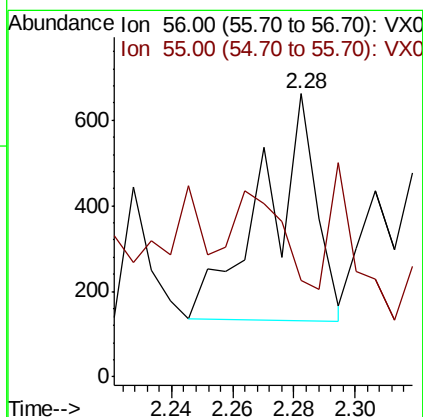
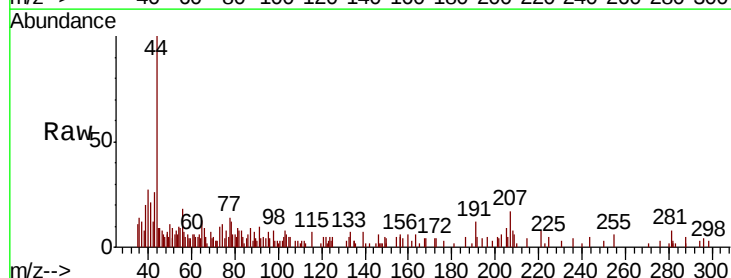
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-EB-20200729

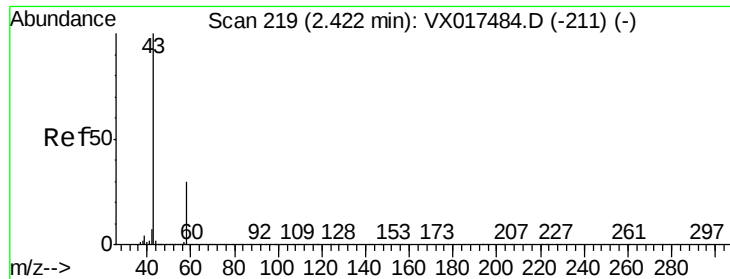
Tot Ion: 59 Resp: 1718
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 4.803 ug/l
RT: 2.28 min Scan# 196
Delta R.T. 0.01 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

Tgt Ion: 56 Resp: 627
Ion Ratio Lower Upper
56 100
55 33.5 57.4 86.2#

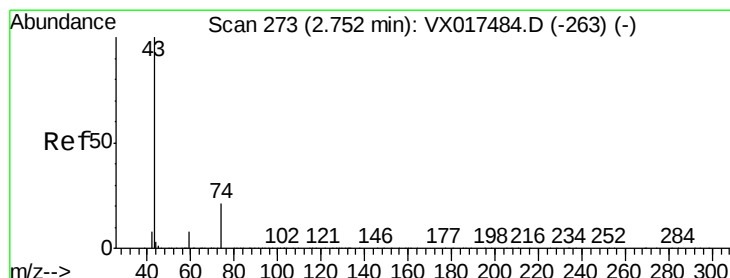
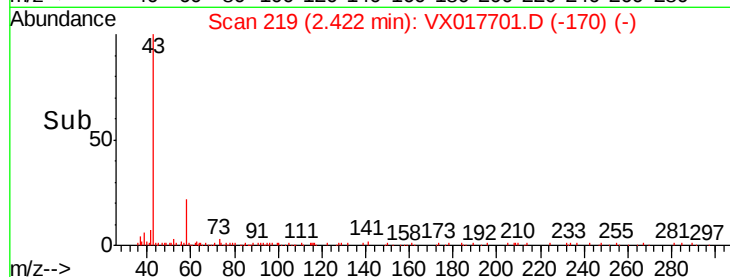
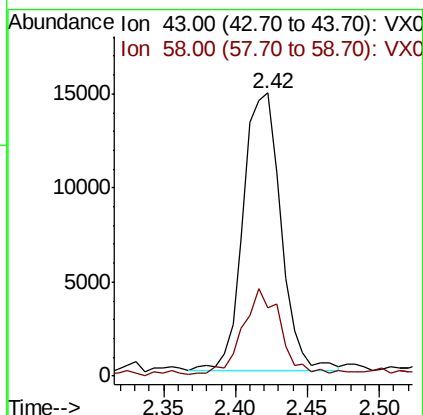
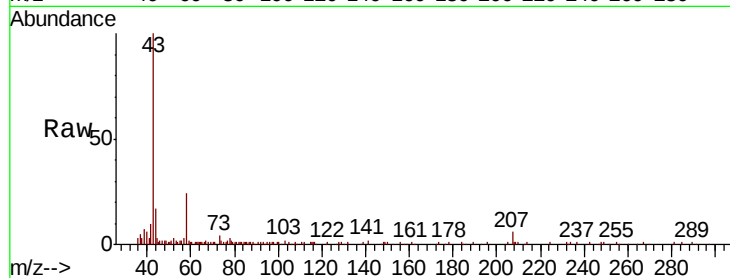




#16
Acetone
Concen: 10.405 ug/l
RT: 2.42 min Scan# 219
Delta R.T. 0.00 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

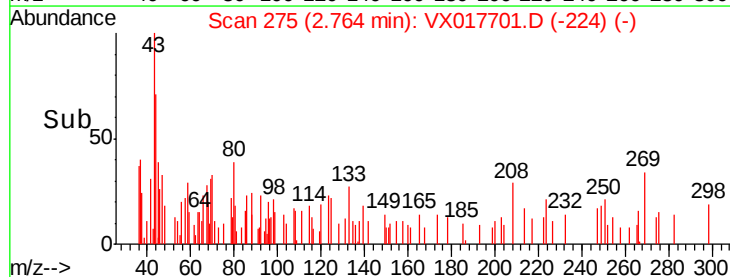
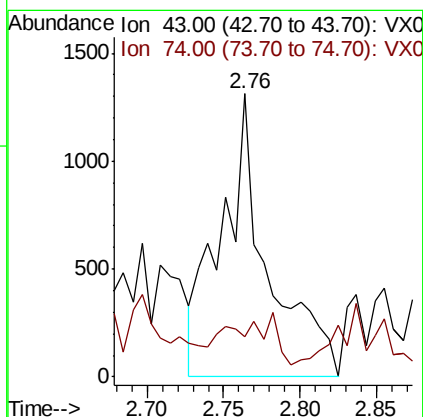
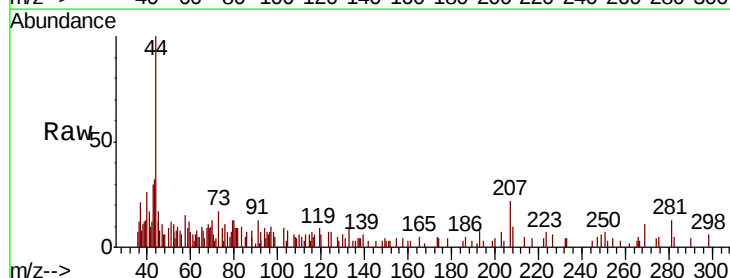
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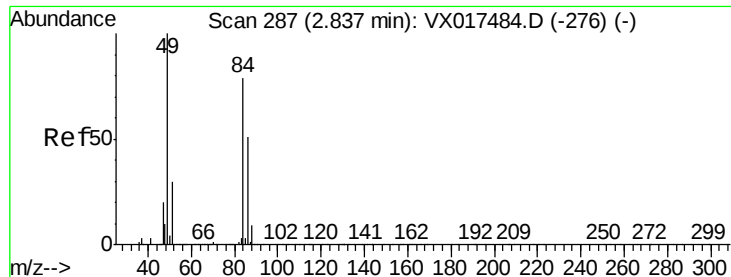
Tot Ion: 43 Resp: 26834
Ion Ratio Lower Upper
43 100
58 23.9 24.2 36.4#



#18
Methyl Acetate
Concen: 0.458 ug/l
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

Tgt Ion: 43 Resp: 2781
Ion Ratio Lower Upper
43 100
74 3.6 17.5 26.3#

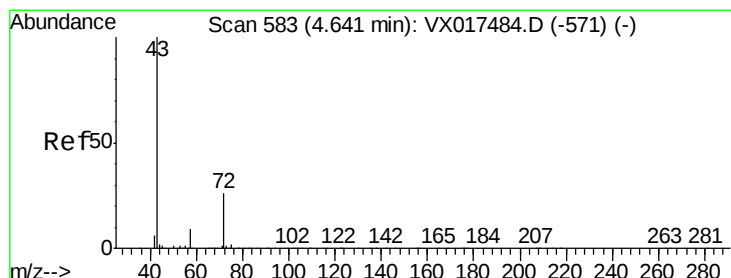
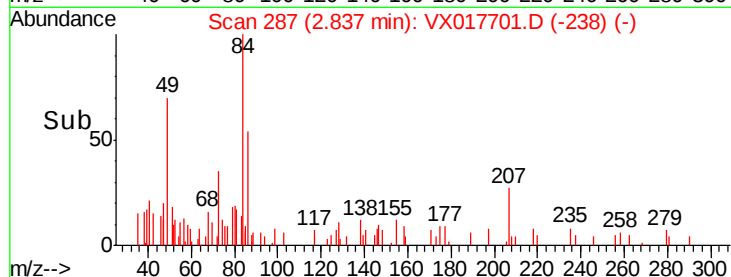
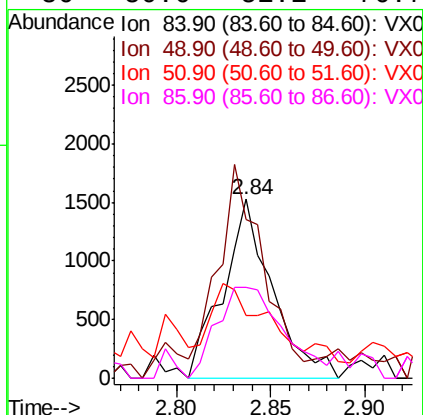
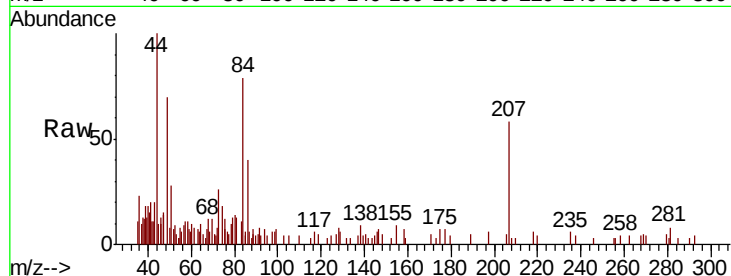




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

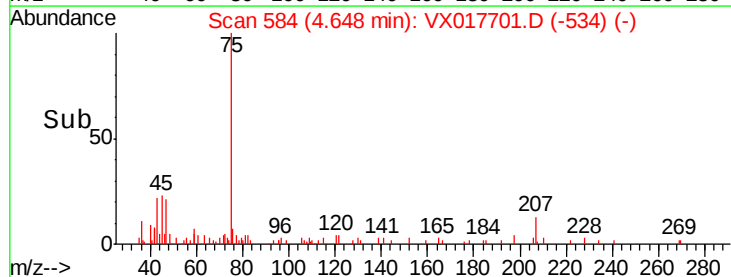
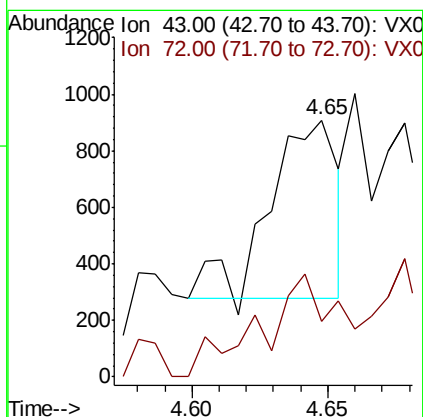
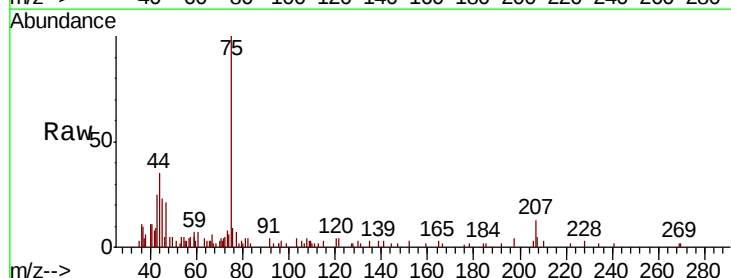
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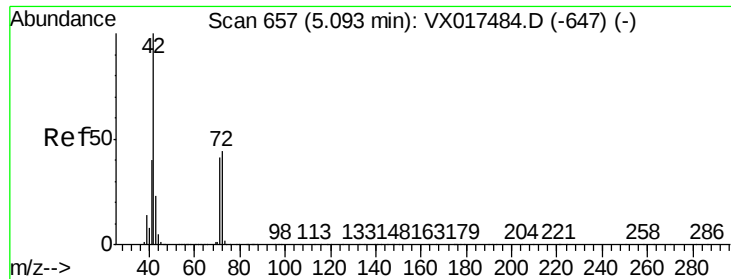
Tot Ion: 84 Resp: 2772
Ion Ratio Lower Upper
84 100
49 77.8 100.3 150.5#
51 25.8 30.5 45.7#
86 50.6 51.1 76.7#



#25
2-Butanone
Concen: 0.301 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
72 30.9 19.0 28.4#





#29

Tetrahydrofuran

Concen: 0.858 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200729

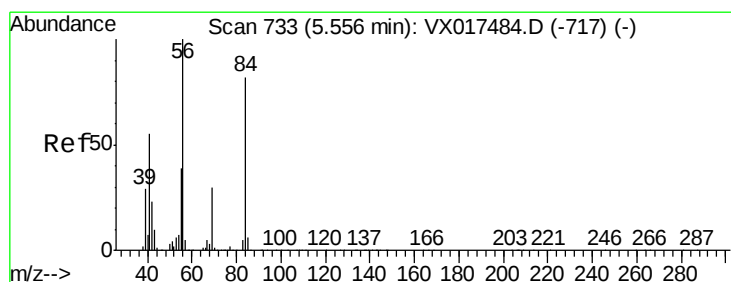
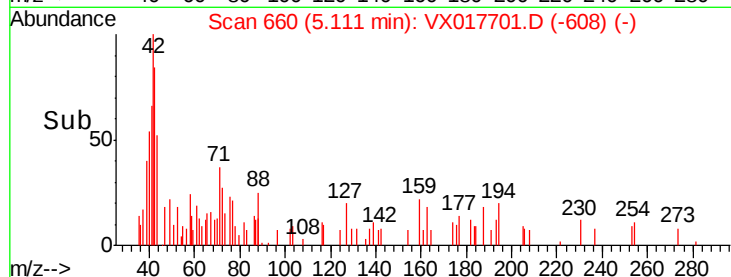
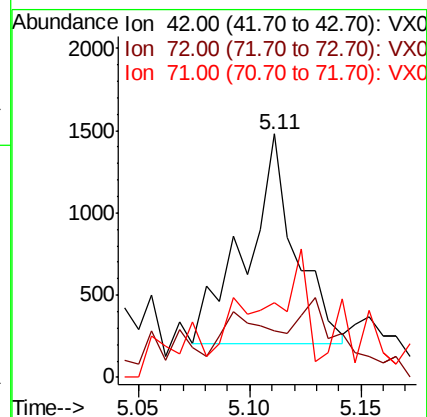
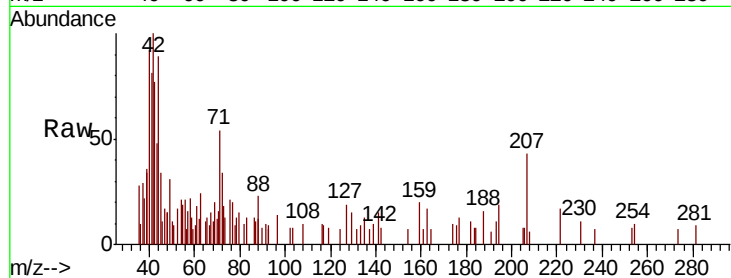
Tot Ion: 42 Resp: 1946

Ion Ratio Lower Upper

42 100

72 34.9 35.5 53.3#

71 35.3 33.0 49.4



#31

Cyclohexane

Concen: 1.443 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

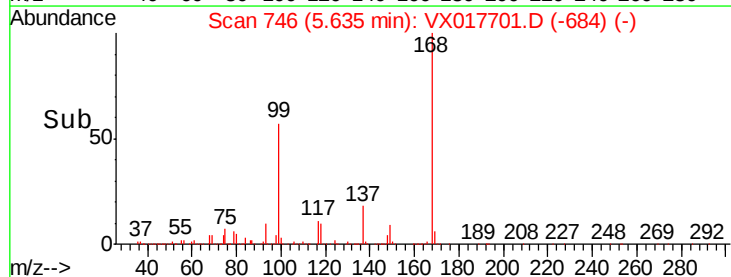
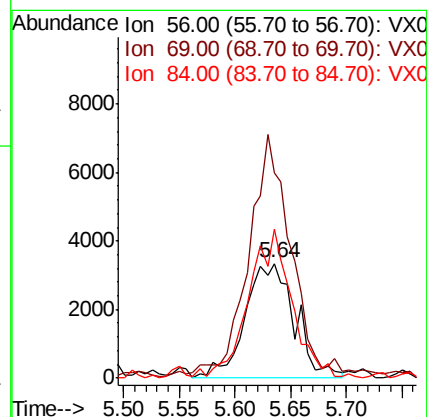
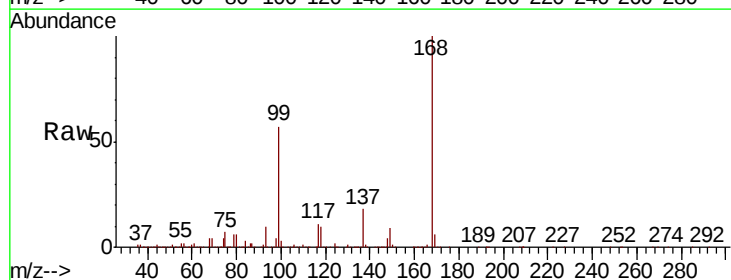
Tgt Ion: 56 Resp: 10429

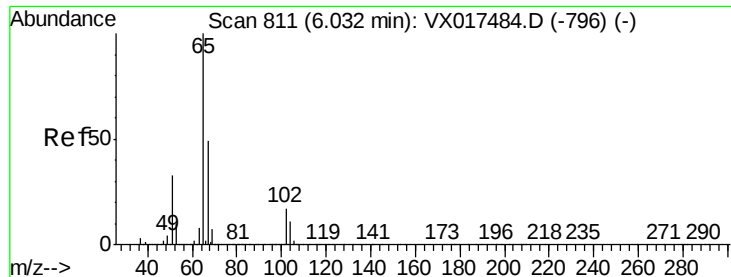
Ion Ratio Lower Upper

56 100

69 174.3 24.2 36.4#

84 127.8 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 55.485 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

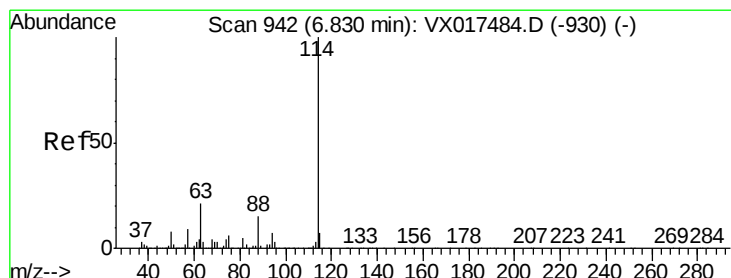
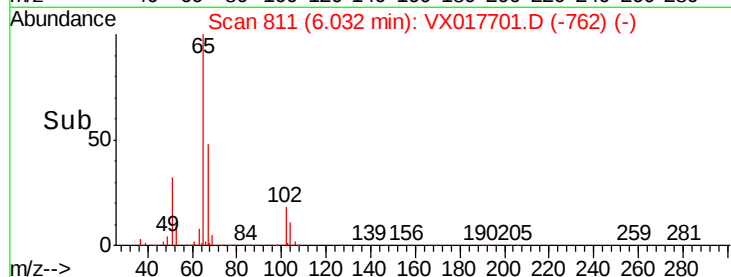
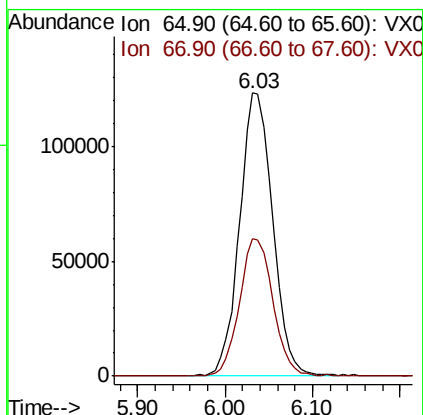
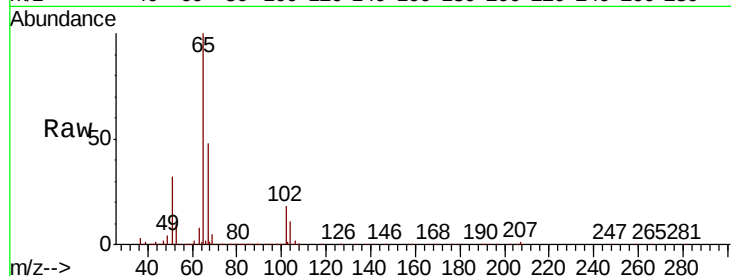
BP-VPB179-EB-20200729

Tot Ion: 65 Resp: 325112

Ion Ratio Lower Upper

65 100

67 49.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

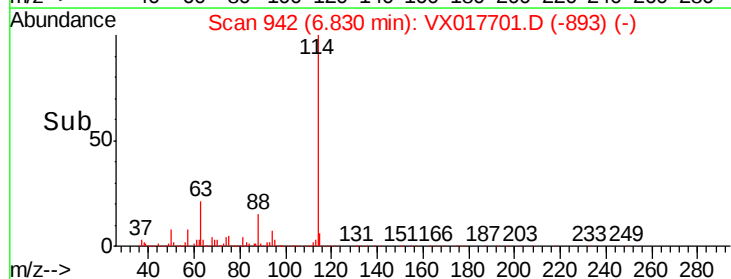
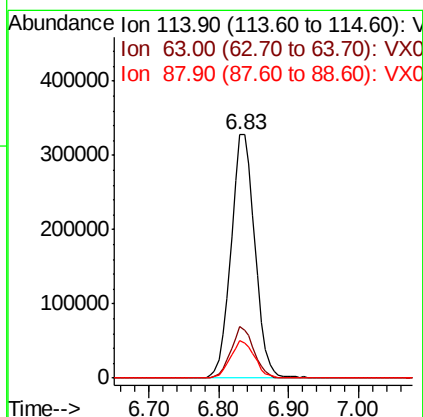
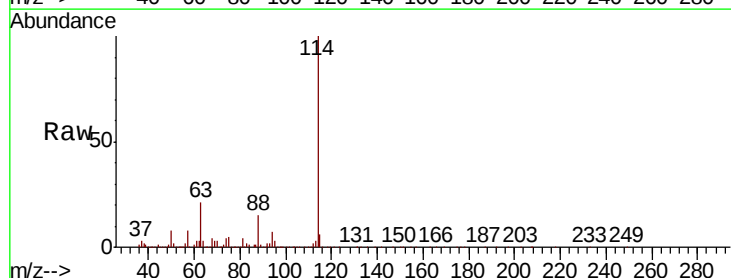
Tgt Ion: 114 Resp: 779249

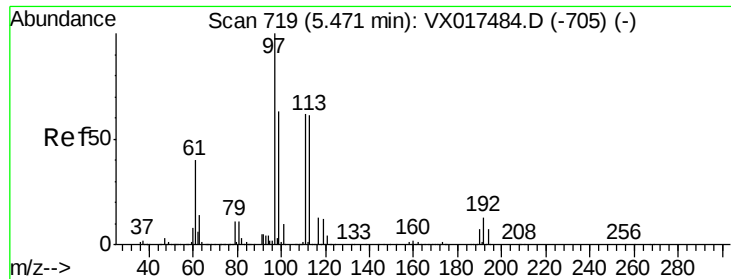
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.6

88 15.4 0.0 33.4

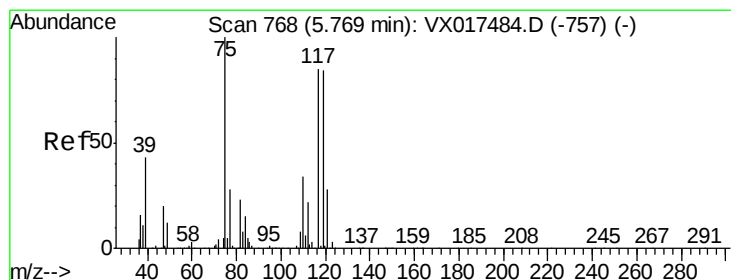
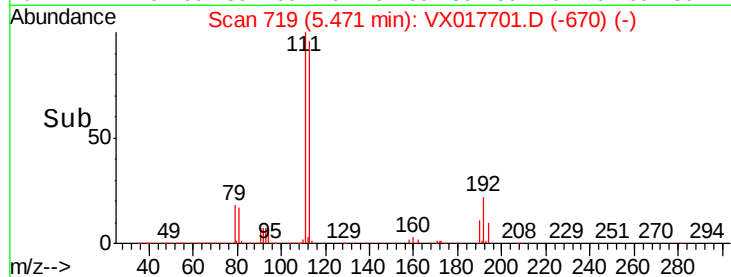
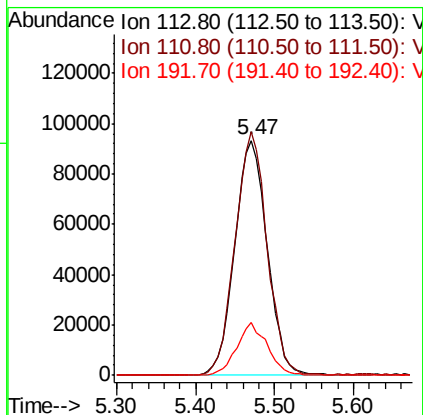
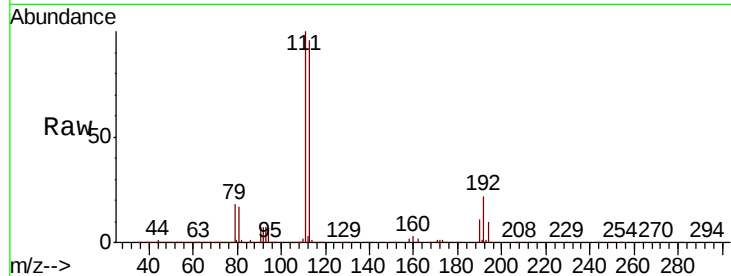




#35
 Dibromofluoromethane
 Concen: 51.429 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.00 min
 Lab File: VX017701.D
 Acq: 31 Jul 2020 15:07

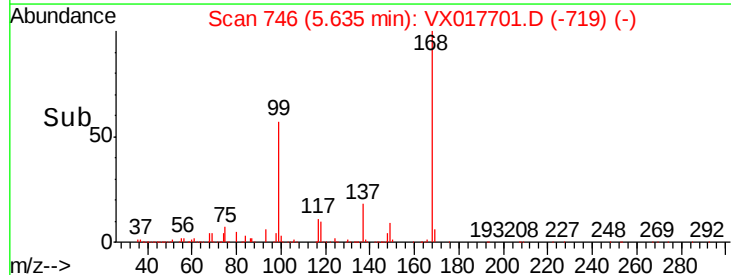
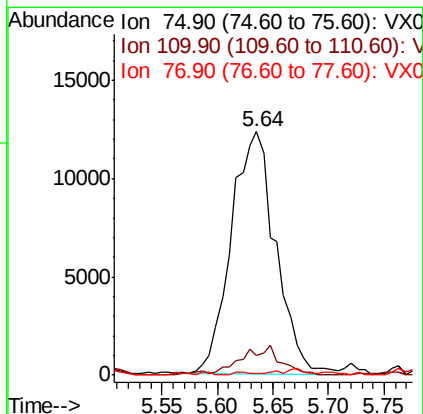
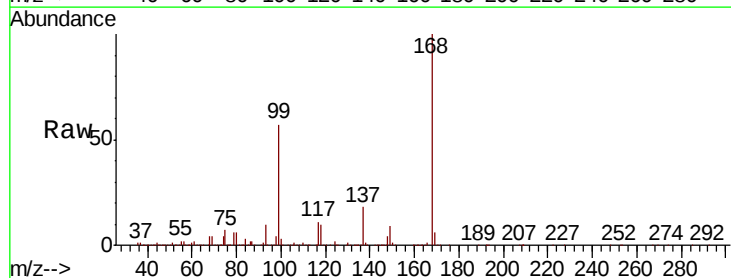
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB179-EB-20200729

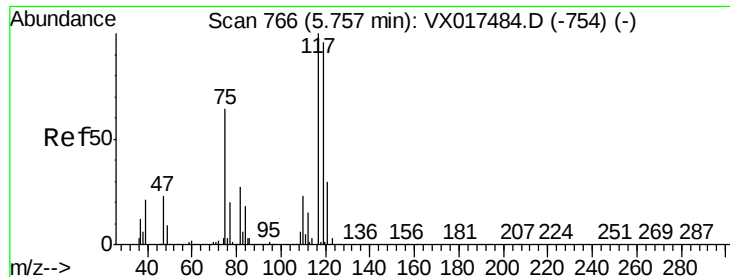
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	80.7	121.1
192	21.1	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.590 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX017701.D
 Acq: 31 Jul 2020 15:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	18.1	54.3#
77	0.0	24.6	37.0#

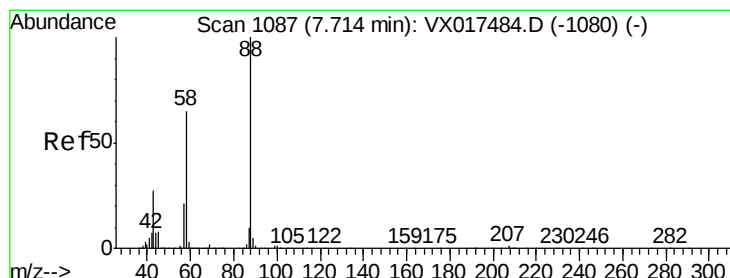
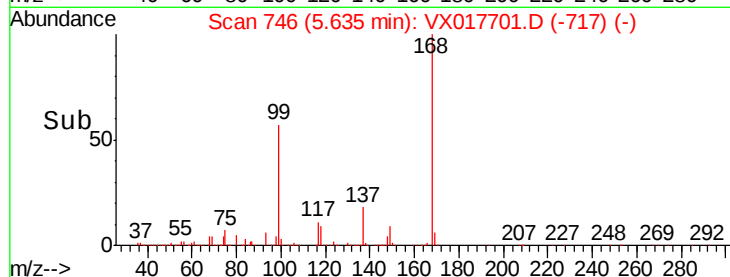
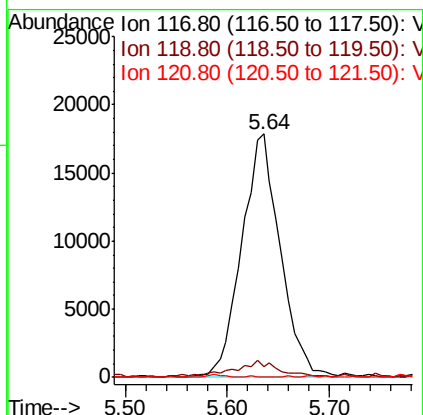
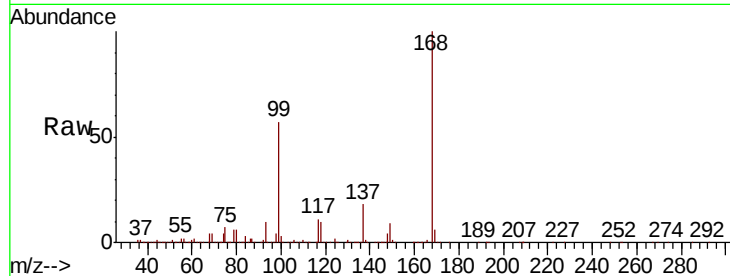




#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

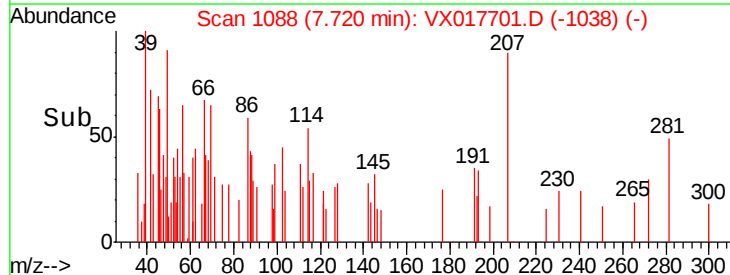
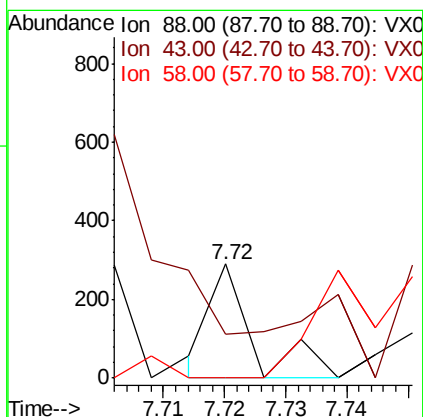
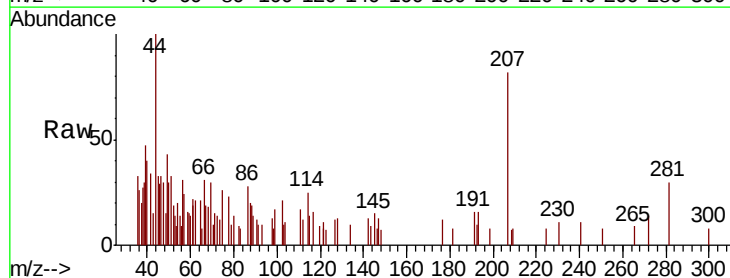
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB179-EB-20200729

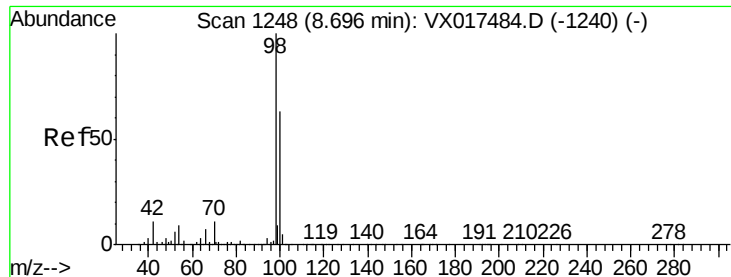
Tot Ion:117 Resp: 47081
Ion Ratio Lower Upper
117 100
119 4.0 75.4 113.0#
121 0.0 24.3 36.5#



#49
1,4-Dioxane
Concen: 1.107 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017701.D
Acq: 31 Jul 2020 15:07

Tgt Ion: 88 Resp: 142
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 0.0 58.3 87.5#





#50

Toluene-d8

Concen: 50.450 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

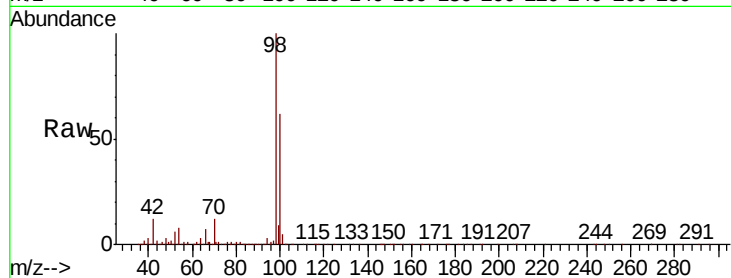
BP-VPB179-EB-20200729

Tot Ion: 98 Resp: 948514

Ion Ratio Lower Upper

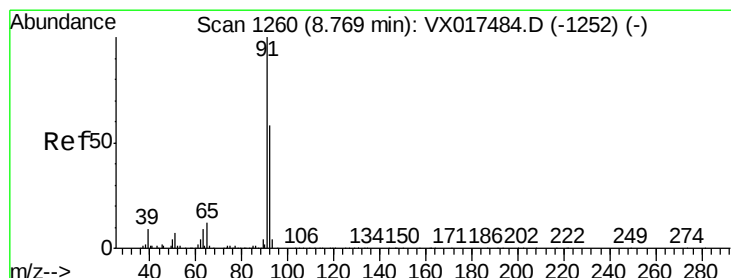
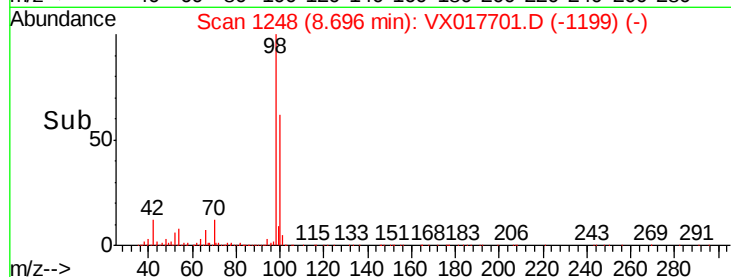
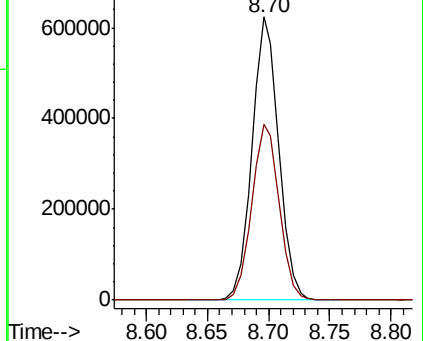
98 100

100 63.9 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 2.775 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX017701.D

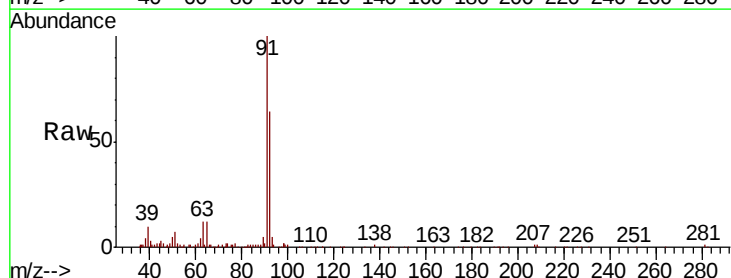
Acq: 31 Jul 2020 15:07

Tgt Ion: 92 Resp: 38133

Ion Ratio Lower Upper

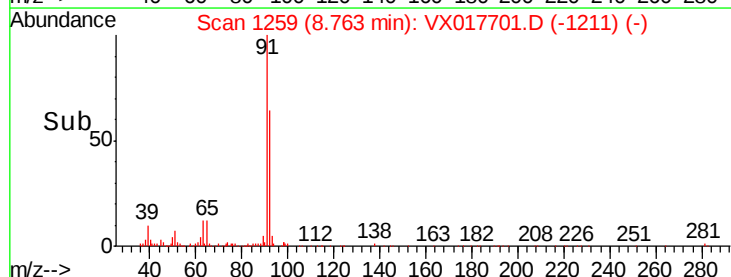
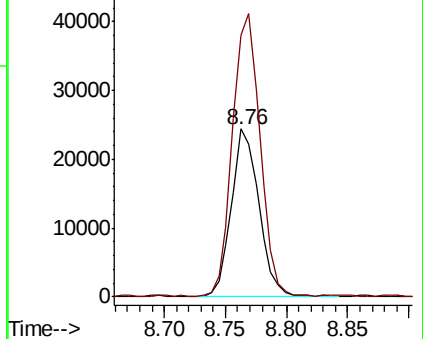
92 100

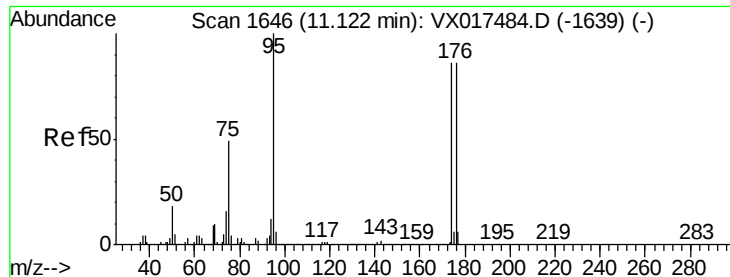
91 166.3 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.952 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200729

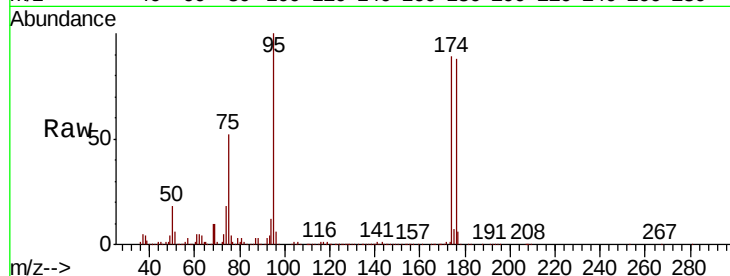
Tot Ion: 95 Resp: 375844

Ion Ratio Lower Upper

95 100

174 86.4 0.0 169.0

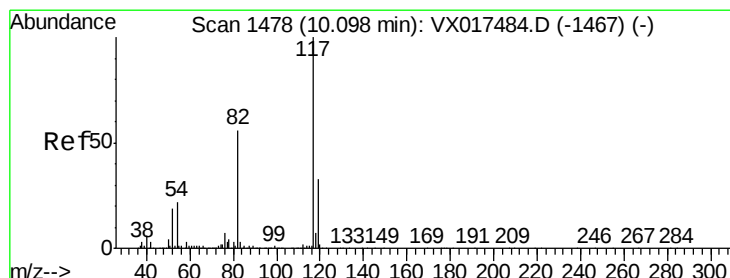
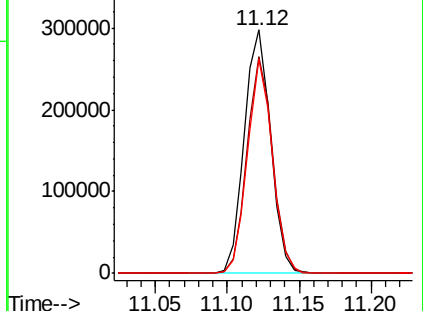
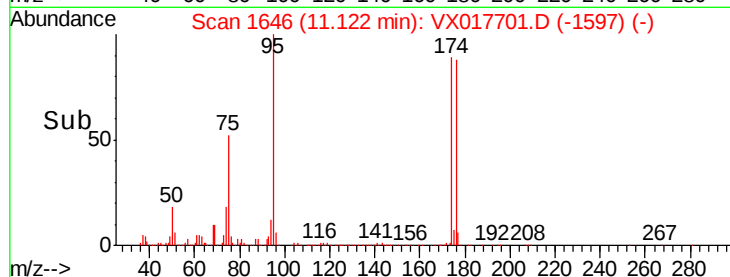
176 82.9 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017701.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017701.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017701.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

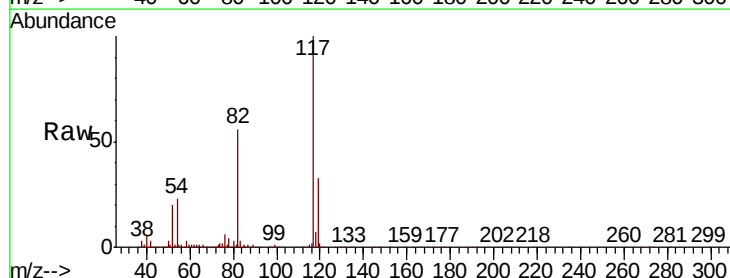
Tgt Ion: 117 Resp: 751661

Ion Ratio Lower Upper

117 100

82 55.9 44.0 66.0

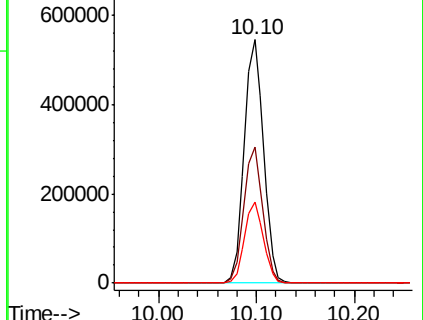
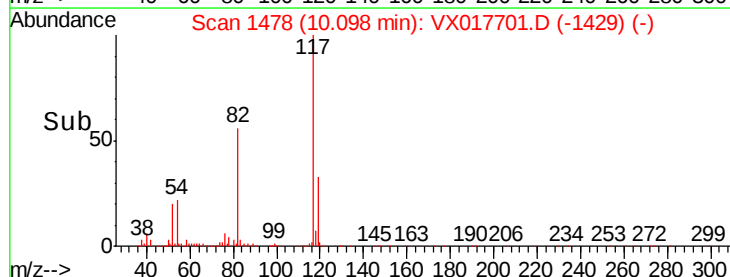
119 33.2 25.4 38.0

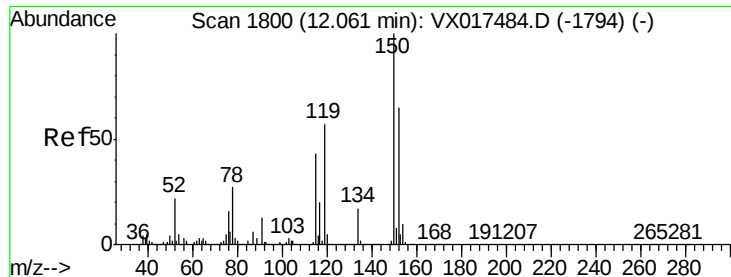


Abundance Ion 116.90 (116.60 to 117.60): VX017701.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017701.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017701.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200729

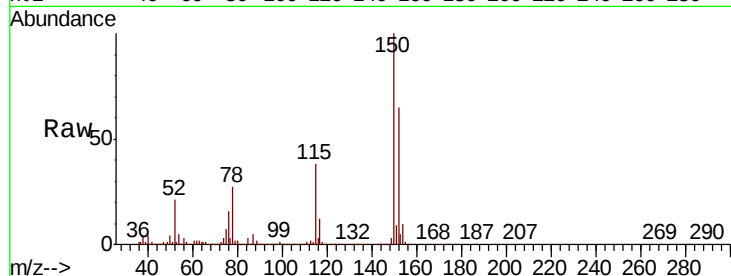
Tot Ion:152 Resp: 404942

Ion Ratio Lower Upper

152 100

115 58.0 65.5 196.6#

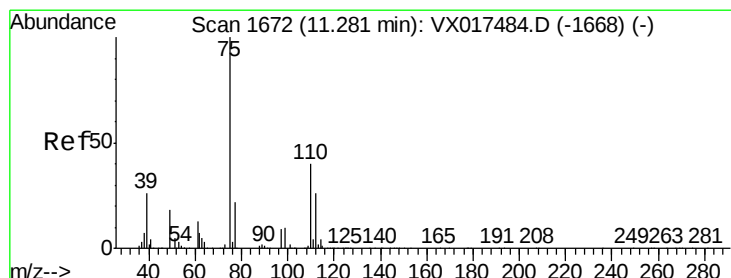
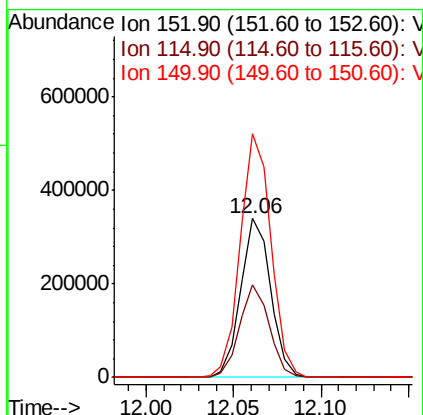
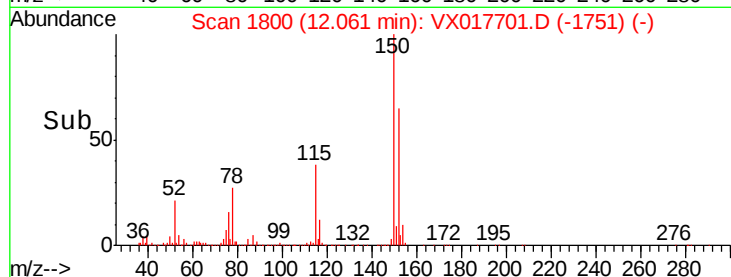
150 156.8 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 23.426 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017701.D

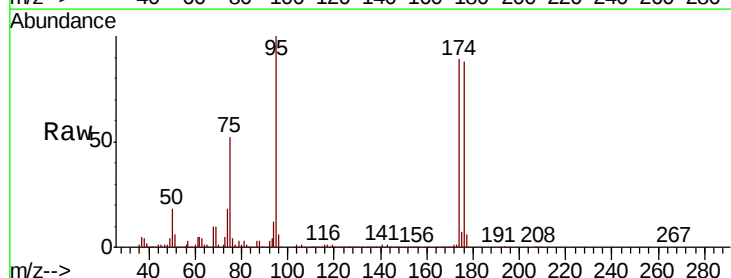
Acq: 31 Jul 2020 15:07

Tgt Ion: 75 Resp: 195133

Ion Ratio Lower Upper

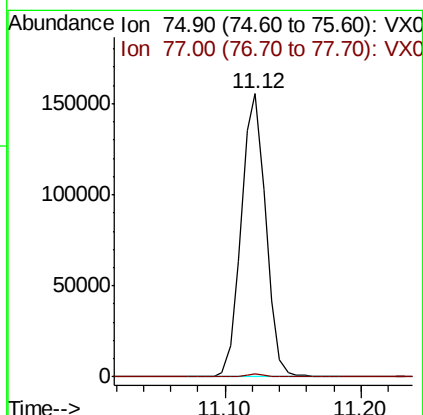
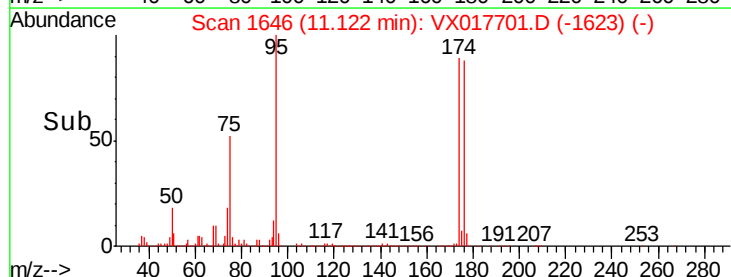
75 100

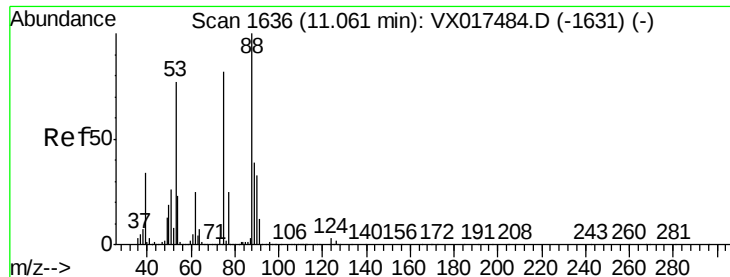
77 1.2 21.8 65.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.028 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB179-EB-20200729

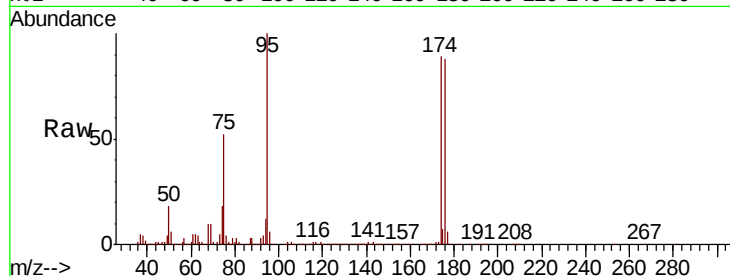
Tot Ion: 75 Resp: 195133

Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

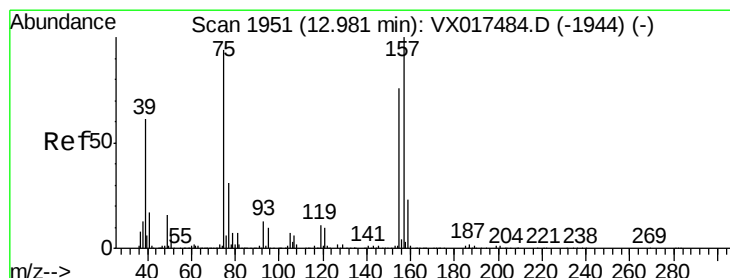
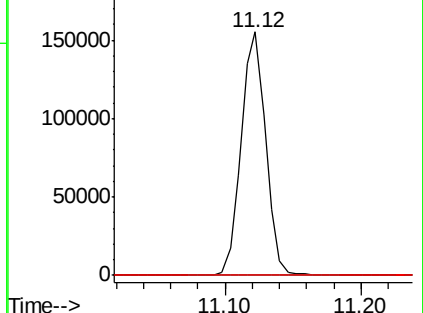
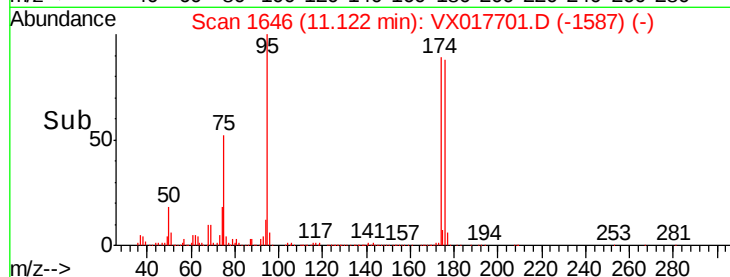
89 0.1 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.620 ug/l

RT: 13.18 min Scan# 1984

Delta R.T. 0.20 min

Lab File: VX017701.D

Acq: 31 Jul 2020 15:07

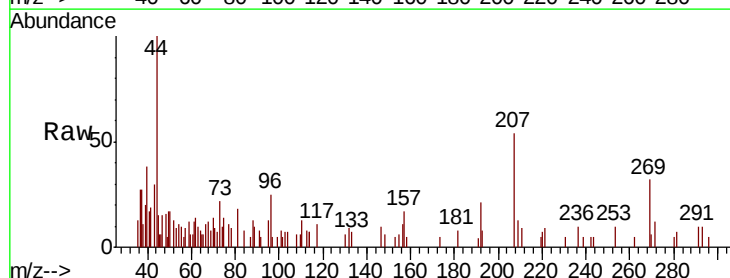
Tgt Ion: 75 Resp: 113

Ion Ratio Lower Upper

75 100

155 93.8 42.3 126.8

157 87.6 54.3 162.9



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

